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| 1. Title      | Supervise the installation of railway overhead feeder systems  |
| 2. Code       | EMRAIN404A   |
| 3. Range      | Supervise the installation of the railway overhead feeder systems at power control rooms, switch rooms and areas with such systems so as to ensure quality, standard and efficiency of work.   |
| 4. Level      | 4  |
| 5. Credits    | 6  |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Procedures, operation modes of units and supervisory skills of installing railway overhead feeder systems and equipment</p> <ul style="list-style-type: none"> <li>◆ Master the installation methods and procedures of railway overhead feeder systems and equipment, relevant quality requirements, and check point selection techniques</li> <li>◆ Understand the operation modes and culture of units involved in the installation of railway overhead feeder systems and equipment</li> <li>◆ Possess the knowledge and skills of supervising and supporting electrical and mechanical works</li> </ul> <p>6.2 Methods and procedures of supervising the installation of railway overhead feeder systems</p> <ul style="list-style-type: none"> <li>◆ Supervise and support the installation of railway overhead feeder systems to ensure quality, standard and efficiency of work. Supervisory procedures include: <ul style="list-style-type: none"> <li>• Selecting and monitoring quality check points</li> <li>• Analyzing the causes of non-compliance with standard and formulating improvement measures</li> <li>• Maintaining adequate coordination and communication in the installation processes</li> <li>• Ensure smooth supply of materials in the installation processes</li> </ul> </li> <li>◆ Formulate plans for maintaining persistently the quality of installation work and for improving its efficiency, including: <ul style="list-style-type: none"> <li>• Providing adequate training for staff</li> <li>• Establishing effective communication channels</li> <li>• Planning for updating and upgrading of equipment</li> </ul> </li> </ul> <p>6.3 Professionalism in supervising the installation of railway overhead feeder systems and equipment</p> <ul style="list-style-type: none"> <li>◆ Supervise the installation of railway overhead feeder systems and equipment according to the standards and requirements for work safety, health, environmental protection and quality management of train engineering work</li> <li>◆ Understand the safety guidelines as required by the law and codes of practice in installing railway overhead feeder systems and equipment</li> </ul> |

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| 7. Assessment Criteria | <p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to supervise and support efficiently the installation of the railway overhead feeder systems and equipment to ensure the safety, quality, standard and efficiency of work; to formulate plans for maintaining persistently the quality and safety of installation work and for improving its efficiency.</p> |
| 8. Remarks             | <p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of the installation of railway overhead feeder systems and equipment and basic knowledge and skills of supervision.</p>   |